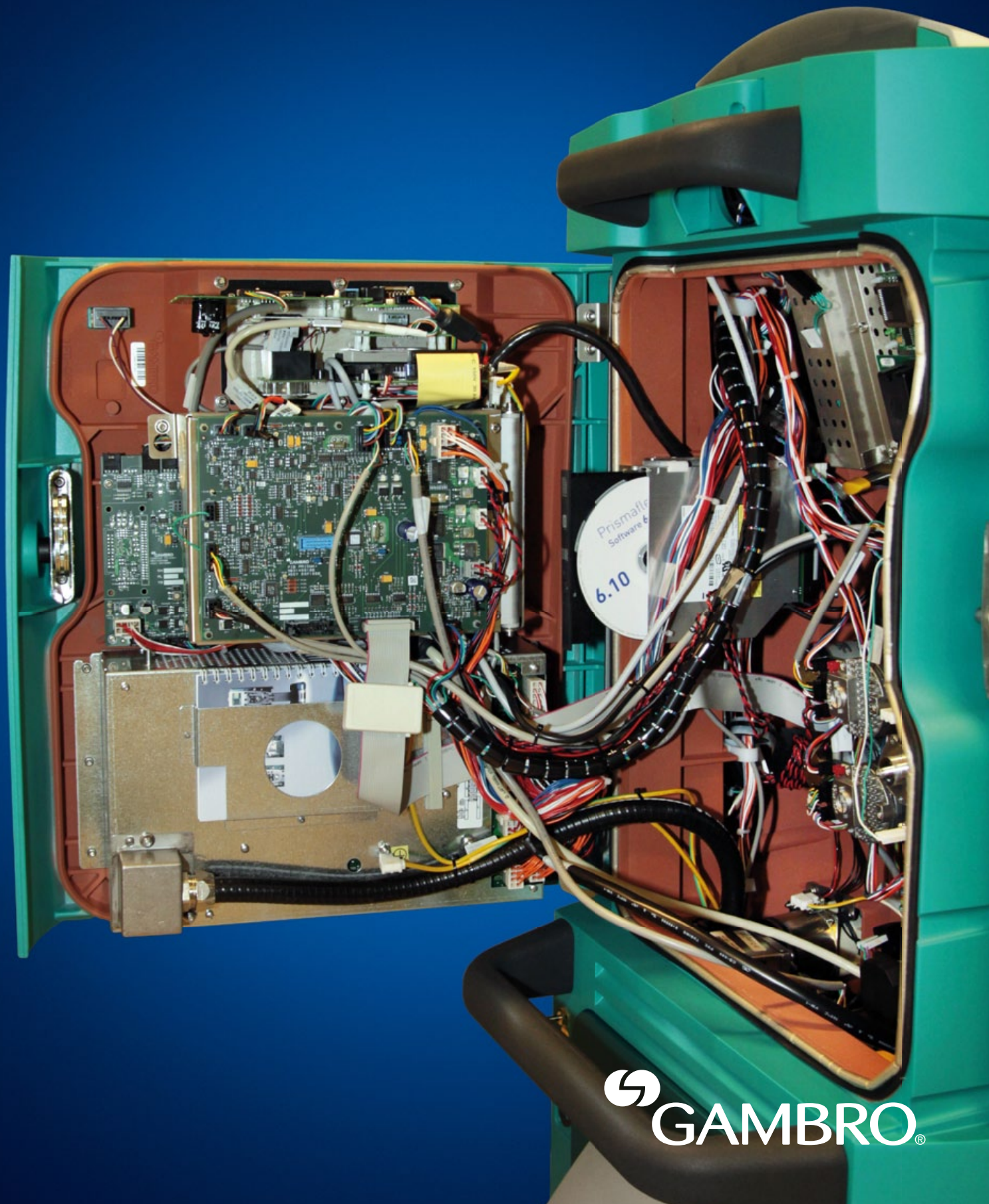
Prismaflex®

Spare Parts Catalogue 2014-07



GAMBRO®

This page has been left blank intentionally

Contents

Preface iii

Chapter 1 - Exterior, front 1

Air Bubble Detector "ABD" 5
Air Bubble Detector Door 5
Blood Leak Detector "BLD" 8
Blood Pump Rotor 4
Bottom Cabinet 3
De-aeration Chamber holder 4
Dialysate Scale 2
Discharger Clip 8
Effluent Scale 2
Heparin Pump Carrier 10-50ml 6
Led Board 5
Led Cover 5
Left Hook 4
O-ring 2-008 Nitrile 8
O-ring 2-011 3
O-ring 2-029 5
Pre Blood Pump Scale 2
Replacement Scale 2
Right Hook 4
Scale Carrying Bar 2
Scale Warning Label 3
Seals Pressure Pod 8
Slave Pump Rotors 4
Syringe Clip 10ml 6
Syringe Clip 20ml 6
Syringe Clip 30ml 6
Syringe Clip 50ml 7
Syringe Clip 50ml - B.B. Perfusor 7
Syringe Clip Holder 10-50ml 6
Tube Clip Kit 3

Chapter 2 - Exterior, back 9

Back Pocket 10
Cord Holder 10
Mains Cable Support 10
Potential Equlization Conductor kit 10
Pump Crank 10

Chapter 3 - Interior, front 11

Access Pod Assy. 12
ARPS Board 18
ARPS Pump Assy 17
ARPS Tube Assembly 13
Backup Battery, 24V 17
Barcode Protection 13
Barcode Reader 13
Battery, 12V 17
Blood Pump Assy. 15
CF Upgrade Kit 15
Clamp Dampers Kit 20
Discharger Board - CF Class 15
Display 18
DVD Player 13
Effluent Pod Assy. 12
Filter, 130 Micron 17
Filter Pod Assy. 12
Hall Sensor Container, Blood Pump 15
Hall Sensor Container, Slave P umps 19
Hand Grip 20
Heparin Fixing Block 16
Knurled Knob 20
Loader 14
Loader Board 14
Loader Stepper Motor 14
Main Switch 16
Micro Switch 14
O-ring, Pump Shaft 19
Pinch Valve 20
Pod No 5 Assy. 12
Pressure Transducer ARPS 18
Retaining Ring WA 12X22X4 19
Return Clamp Assy. 19
Return Pressure Port 13
Return Pressure Port Assy. 12
Scraper Ring 14
Slave Pump Stepper Motor 19
Speaker and Fan Assembly 16
Stepper Motor ARPS 17
Syringe Pump 16
Touch Screen Controller 15

Chapter 4 - Interior, door 21

Battery Backup Kit 25
Carrier Board 22
Compact Flash for SW 4.00 and above 23
CPU Battery Kit 3V BR1632 23
DC Timer 26
Door Latch 23
Ethernet Board 24
Isolated RS232 Board 24
Log Book 25
Memory Card Board 24
PC104 Board PCM 9375 22
PIB Board 24
Power Supervision Board Kit 25
Power Supply Battery Backup, 24V 25
Protective Board 24
Remote Alarm Board 26
SODIMM Ram Memory 512MB 22

Chapter 5 - Base 27

Antistatic Twin Wheels 28
Brake Foot 28
Brake Pedal 28
Pneumatic Spring 28

Chapter 6 - Cables 29

Cables Kit 31
I^2C Cables Kit 31
LVDS cable for PC-104 Board 9375 30
LVDS Cable New PC Board Old Display 30
Pinch Valves Flat Cable Ferrite Kit 32
Potential Equalization Conductor 32
Power Cord, Brazil 33
Power Cord, EU, 6A 33
Power Cord, EU 10A 7,5m 33
Power Cord, UK 33
Power Cord, US 33
Power Harness 30
Protective Earth Cables 32
Signal Cable Harness Kit 31
Syringe Pump Control Buttons 32

Chapter 7 - Miscellaneous 35

Back Cabinet 40
Back Cover for Base Assembly 41
Calibration Tube 39
Calibration Weight Kit 37
Complete Base Assembly 41
Dampers Kit for Calibration Weights 37
Empty Crate 41
Front Cabinet 40
Hexagonal Wrench, 8mm 38
HP Holder 36
Jumper 38
Label Canada, Training must be Performed 38
Load Unload Tool 36
Non Sterile Catheter 39
Preventive Maintenance Kit 39
Retaining Ring Mounting Tool 37
Scale Mounting Plate 40
Slave Pump Centering Tool 37
Spare Part Kit for Load Unload Tool 36
Sticker Label English 38
Support for HP Holder 36
Syringe Pump Holder Kit 39
Technical Data Card 39
Warmer Holder 36
Warning Sticker Kit (USA) 38

Chapter 8 - Manuals 43

Operators Manual CD ROW SW 6.xx 46
Operators Manual CD ROW SW 7.xx 44
Operator's Manual CD SW 4.xx 49
Operators Manual CD US SW 5.10 48
Operator's Manual SW 4.xx 49
Operator's Manual SW 6.xx 46
Operator's Manual SW 7.xx 44
Operator's Manual US SW 5.10 48
Operator's Manual US SW 7.xx 45
Prismaflex Comm. Prog Guide 6.xx 47
Prismaflex Comm. Prog Guide 7.10 45
Prismaflex Service Manual ROW 6.xx 46
Prismaflex Service Manual ROW 7.xx 44
Prismaflex Service Manual US 5.10 48
Prismaflex Service Manual US 7.xx 45
Service Manual 4.xx 49
Service Manual CD ROW SW 6.xx 47
Service Manual CD ROW SW 7.xx 45
Service Manual CD SW 4.xx 49
Service Manual CD US 5.10 48

Chapter 9 - Software 51

Language package A, SW 7.11 52
Language package C, SW 7.10 53
Software 5.10 US upgrade kit (Only for US) 54
Software 6.10 upgrade kit 53
Software CD with 6.10 53
Software CD with 7.10 52
Software CD with 7.11 52
Software CD with SW 4.11 54
Software CD with SW 5.10 (Only for US) 53

Index 55

Preface

Spare Part Catalogue for the Prismaflex system is in compliance with EC Directive 2011/65/EC.

Included with each spare part are the necessary screws O-rings etc

Refer to spare part instructions, enclosed to all spare parts were necessary, for correct exchange and configuration of the spare part.

This Catalogue can be downloaded from the Customer Support site, if you are a registered user:
https://customersupport.gambro.com/gambro_its/user/web/login.aspx

Because of component updates the spare part pictures can differ from what you receive.

New When this symbol is found next to a component it means it is a new component and/or that it is new in the spare parts catalogue. Sometimes a component has been available some time before the catalogue is updated.

Updated When this symbol is found next to a component it means the component is updated and it has a new order number.

This page has been left blank intentionally

Chapter 1 - Exterior, front

Effluent Scale

Measures the weight of the bags hanging from the scale carrying bars.
Note! Each of the four scales has its own unique ID on the I2C bus. Scales are not interchangeable!

Order Number: G5048302

Pre Blood Pump Scale

Measures the weight of the bags hanging from the scale carrying bars.
Note! Each of the four scales has its own unique ID on the I2C bus. Scales are not interchangeable!

Order Number: G5048402

Dialysate Scale

Measures the weight of the bags hanging from the scale carrying bars.
Note! Each of the four scales has its own unique ID on the I2C bus. Scales are not interchangeable!

Order Number: G5048502

Replacement Scale

Measures the weight of the bags hanging from the scale carrying bars.
Note! Each of the four scales has its own unique ID on the I2C bus. Scales are not interchangeable!

Order Number: G5048602

Scale Carrying Bar

Scale handle for hanging the bag onto the scale.

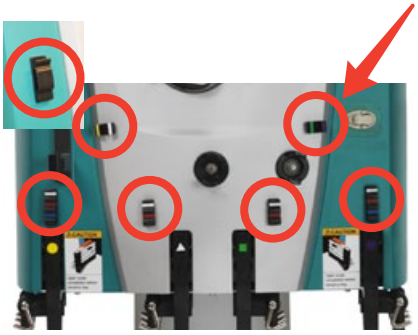
Order Number: G5005102

GAMBRO®

Scale Warning Label

Caution stickers making the user aware of opening and closing the scale properly.

Order Number: G5042101



Tube Clip Kit

The tube clips are used to guide the tubes from the filter set. All tubes clips are included in this kit including the calcium clip!

Order Number: G5007603

Bottom Cabinet

Bottom cover covering the scales.

Order Number: G5048801

O-ring 2-011

The O-ring prevent liquid and dirt from coming into the machine via the tube clips.

Order Number: G5001401

Blood Pump Rotor

Circulates the blood.

This version has improved bearings improving the occlusivity and an improved Pump Crank connection making it easier to manually rotate the rotor.

Order Number: G5005703

Updated

Slave Pump Rotors

The slave pump rotors circulates the Effluent,
Pre Blood, Dialysate and the Replacement fluids.
Same component for all 4 slave pumps.
- This version comes as a complete unit with the screw compared to the old which was two parts including screw.

Order Number: G5047503

Right Hook

A useful tool to hang the scale carrying bar and fluid bag onto when attaching lines to a fluid bag.

Order Number: G5007401

Left Hook

A useful tool to hang the scale carrying bar and fluid bag onto when attaching lines to a fluid bag.

Order Number: G5007501

De-aeration Chamber holder

Holder for the de-aeration chamber.

Order Number: G5006101

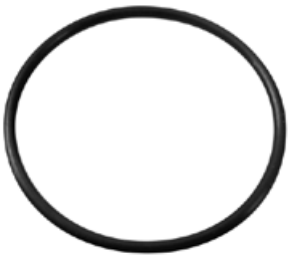
GAMBRO®

Air Bubble Detector "ABD"
Detects air in blood and line in position.

Order Number: G5006702

Air Bubble Detector Door
The lid for the ABD.

Order Number: G5001601



O-ring 2-029
Sealing for the ABD housing.

Order Number: G5005402

Led Cover
Cover for the led board.

Order number: G5044602

Led Board
Alarm light - green, yellow and red light.

Order Number: G5002802

Heparin Pump Carrier 10-50ml

Holds the syringe plunger. The carrier is fitted to the load cell of the heparin pump.

Order Number: G5029101

Syringe Clip Holder 10-50ml

Syringe clip holder for the syringe pump.

Order Number: G5029202

Syringe Clip 10ml

Syringe clip for the syringe pump.

Order Number: G5029301

Syringe Clip 20ml

Syringe clip for the syringe pump.
- Included at delivery of Prismflex control unit, not installed.

Order Number: G5029402

Syringe Clip 30ml

Syringe clip for the syringe pump.

Order Number: G5029501

GAMBRO®

Syringe Clip 50ml

Syringe clip for the syringe pump
- Default syringe clip, installed from production onto Prismaflex control unit.

Order Number: G5029602

Syringe Clip 50ml - B.B. Perfusor

Syringe clip for the syringe pump. Works only with SW 6.10 and later softwares.

Order Number: G5049601

Seals Pressure Pod

Seals the space between the pressure pod and the filter set.

Order Number: G5002901

Blood Leak Detector "BLD"

Detects presence of blood in the effluent line.

Updated with ambient light filter.

Order Number: G5003303

Discharger Clip

Discharges the filter set from possible electrostatic interference, connects to the discharger clip board.

Order Number: G5006001

O-ring 2-008 Nitrile

Sealing for the discharger clip.

Order Number: G5005301

Chapter 2 - Exterior, back

Pump Crank

In case of a power failure you use the pump crank to return the blood and also to manually operate the pinch valves.

Order number: G5009601

Cord Holder

Hang the power cord on the cord holder when you don't use the machine.

Order number: G5003901

Back Pocket

To put the Operator's manual in.

Order number: G5022801

Mains Cable Support

Protects the mains cable from being accidentally pulled out. The kit includes two sizes.

Order Number: G5009501

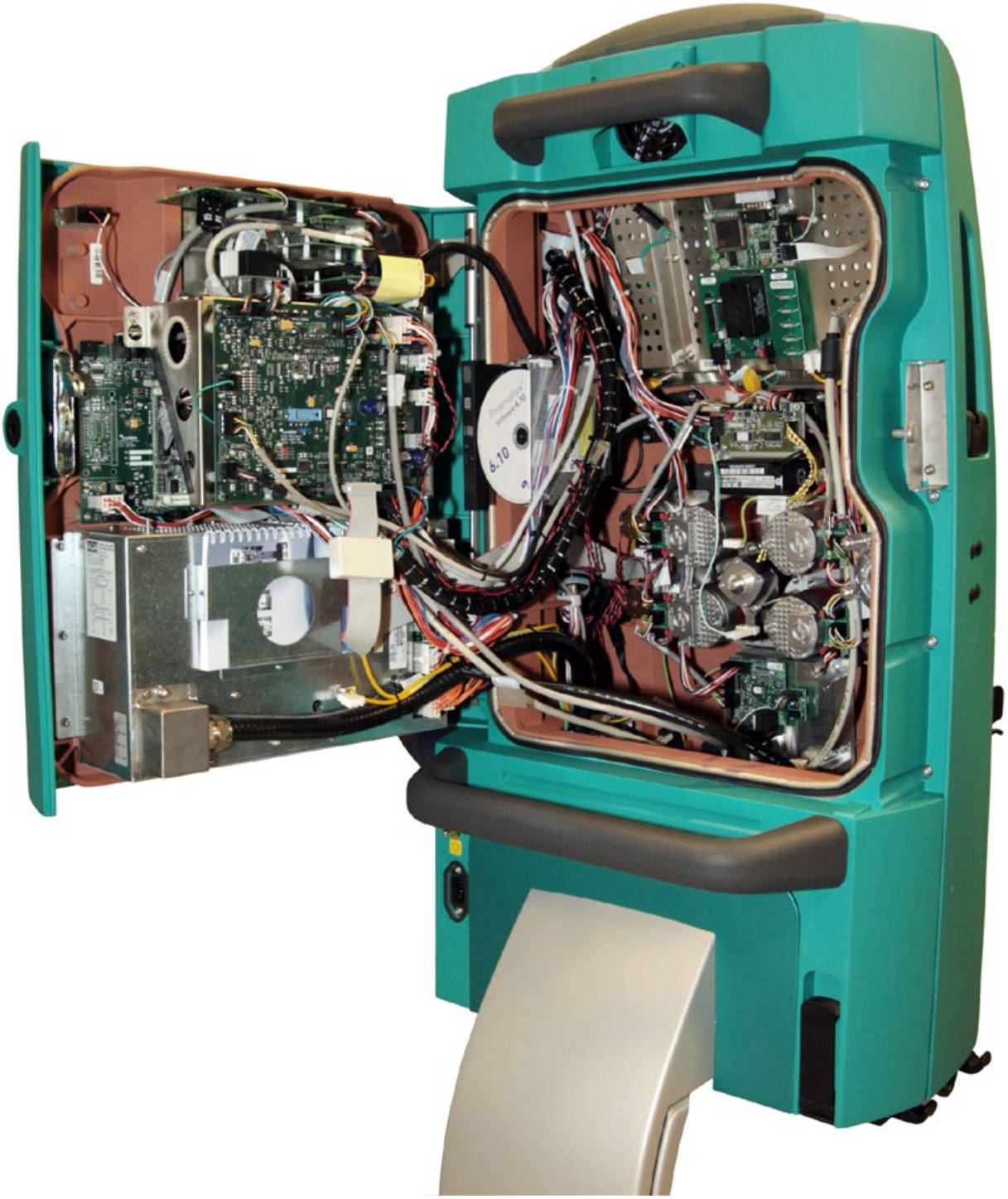
Potential Equlization Conductor kit

Ground connection at the back of the machine.

Order Number: G5049701

GAMBRO®

Chapter 3 - Interior, front



New

Pod No 5 Assy.

Complete Pod No5 assembly.
Cable length 70cm.
Compared to previous versions the material is updated.

Order Number: G5051101

New

Filter Pod Assy.

Complete Filter pod assembly.
Cable length 50cm.
Compared to previous versions the material is updated.

Order Number: G5051201

New

Effluent Pod Assy.

Complete Effluent pod assembly.
Cable length 100cm.
Compared to previous versions the material is updated.

Order Number: G5051301

New

Access Pod Assy.

Complete Access pod assembly.
Cable length 30cm.
Compared to previous versions the material is updated.

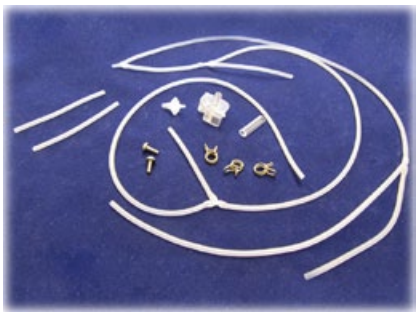
Order Number: G5051401

New

Return Pressure Port Assy.

Complete assembly including return pressure port.
Compared to previous versions the material is updated.

Order Number: G5051501



ARPS Tube Assembly

Complete silicon tubing including connectors and clamps for the ARPS system.

Order Number: G5044701

Return Pressure Port

Order Number: G5000901

Barcode Reader

Recognizes the type of filter set put on the machine. Adaptor baord for PCM 5824 is no longer included.

Order Number: G5040902

Barcode Protection

Protects the bar code reader from liquid and dirt.

Improved material, glass instead of plastic.

Order Number: G5005902

Updated

DVD Player

The DVD player is used for software upgrade or language installation. Includes the bracket the player is mounted on and s-ata cable plus adaptor to connect it to the PC-104 board. Compared to previous version, CD-ROM player has been replaced with DVD player.

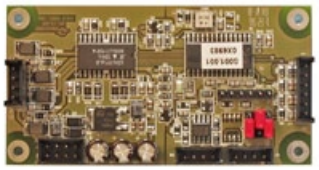
Order Number: G5050601

Loader
Loader for the filter set.
This version includes the loader bearing, scraper ring and screws.

Order Number: G5003702

Loader Stepper Motor
Maneuvers the loader arm.

Order Number: G5008001



Loader Board
Controls the loader stepper motor.

Order Number: G5005602

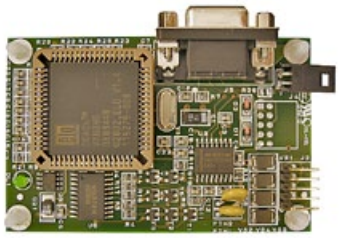
Scraper Ring
Allows the loader to slide smoothly.

Order Number: G5004501

Micro Switch
The micro switch detects when the loader is at the end of its travel.

Order Number: G5002201

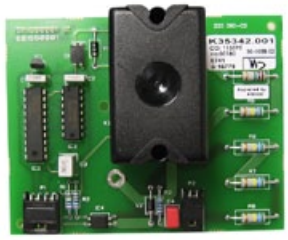
GAMBRO®



Touch Screen Controller

Handles the information from the touch screen to the PC-104 board.

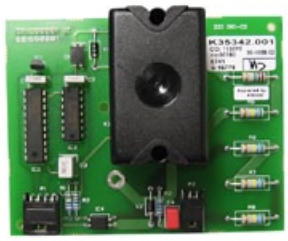
Order Number: G5001201



Discharger Board - CF Class

Grounds the filter set via the discharger clip.
CF - Cardiac Floating.

Order Number: G5008203



CF Upgrade Kit

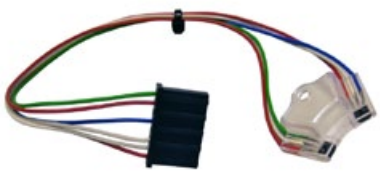
Grounds the filter set. Upgrades a machine from BF to CF.
BF - Body Floating and CF - Cardiac Floating.
The kit includes the required extra cabling.
The CF card was introduced in production on PA3075

Order Number: G5034902

Blood Pump Assy.

Drive unit for the blood pump rotor.

Order Number: G5004201



Hall Sensor Container, Blood Pump

Detects proper movement of the blood pump rotor.

Order Number: G5005001

GAMBRO®

Syringe Pump

Syringe Pump, works with all software versions from software version 4.xx.

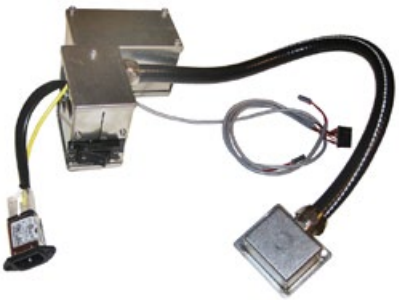
Order Number: G5043902

Heparin Fixing Block

The fixing block is mounted onto the syringe pump load cell and on the fixing block the syringe carrier is mounted.

This block is compatible with all present types of syringe pumps!

Order Number: G5035804



Main Switch

Complete assembly.

Order Number: G5042302

Speaker and Fan Assembly

Speaker and fan assembly as one unit including the metal sheet thay are mounted on.

Order Number: G5043101

Battery, 12V

Power to the memory backup keeping treatment data during a shorter power loss.

Order Number: G5009001

Backup Battery, 24V

Power to the battery backup system keeping the machine running for a period of time without mains power.

Order Number: G5043501

Updated

ARPS Pump Assy

The pump is used for the ARPS system to adjust the filter pod adjustment and the level in the bubble trap. Comes as a complete assembly including the metal bracket it is mounted on. One pump segment is mounted and one as a spare segment.
Compared to previous version, pump segment is updated.
Order Number: G5006203

Filter, 130 Micron

Filters the air too the ARPS system.

Order Number: G5010801

Stepper Motor ARPS

Stepper motor for the ARPS pump.

Order Number: G5006401

Pressure Transducer ARPS

Reference pressure meter for the ARPS system.

Order Number: G5006501

ARPS Board

Automatic Repositioning System board.
All pressure transducers and the ARPS valves are connected to this board.
Compared to previous version this version is RoHS compliant.
Order Number: G5006902

Display

Complete display unit including CF card (G5008202) and LVDS cable (G5041101).

Compared with previous version this display has LED background light.

Order Number: G5041305

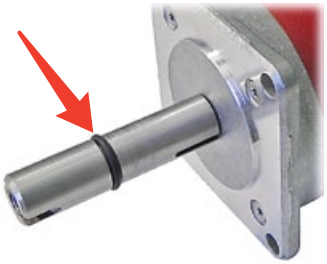
Slave Pump Stepper Motor

The same stepper motor is used for:
Effluent, Pre blood, Dialysate and the Replacement pump.
The I2C bus ID is unique to each motors position but it can be configured using jumpers on the integrated circuit board of each motor.
Compared to previous version this version is RoHS compliant.
Order Number: G5004703

Hall Sensor Container, Slave P umps

Detects proper movement of the slave pump rotors.

Order Number: G5003601



O-ring, Pump Shaft

Support for the rotor.

Order Number: G5002501

Retaining Ring WA 12X22X4

Stops liquid and dirt from coming into the machine via the slave pump shaft.

Order Number: G5004401

Return Clamp Assy.

Clamps the return blood line.
Compared to previous version this version is RoHS compliant.

Order Number: G5006802

Clamp Dampers Kit

Reduces the vibration from the clamp unit.

Order Number: G5001301

Updated

Pinch Valve

The pinch valves makes it possible to run the treatment with pre or post dilution.

Compared to previous version this version is RoHS compliant and has been updated with a new DC motor.

Order Number: G5003202

Hand Grip

Used to secure components inside the machine.

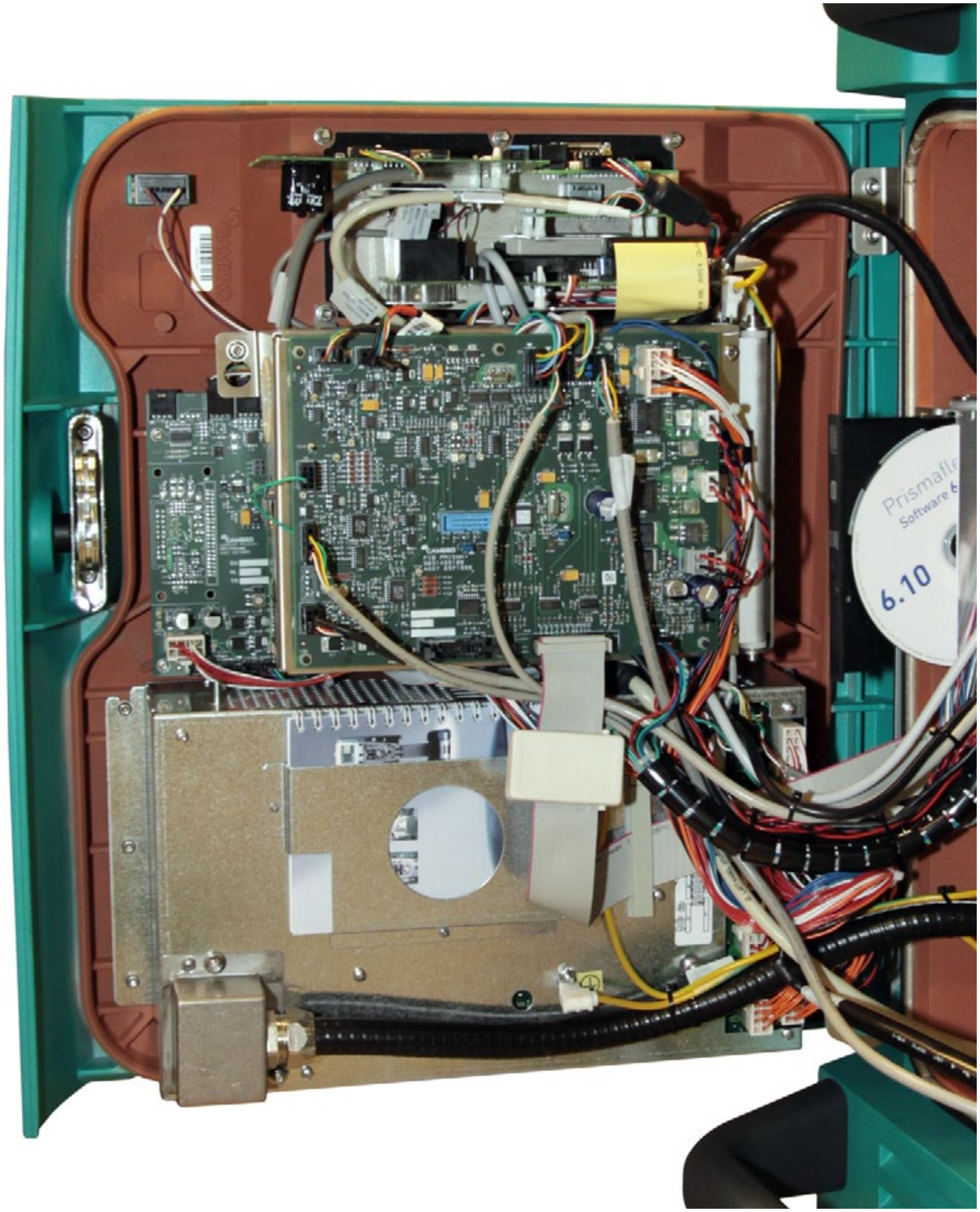
Order Number: G5004301

Knurled Knob

Used to secure components inside the machine.

Order Number: G5004101

Chapter 4 - Interior, door



Carrier Board

Interface board between the PC-104 board and all other slave boards and devices in the machine.
Compared to previous version this version is RoHS compliant.

Order Number: G5007101

PC104 Board PCM 9375

Control system CPU.
The new PC board was introduced in production on machine serial number PA5858.

This board requires software 4.xx or higher.

Order Number: G5044001

SODIMM Ram Memory 512MB

Internal memory for the PC-104 board (PCM-9375).
This memory can't be used on the old PC-board, PCM-5824.

Order No. G5044101

CPU Battery Kit 3V BR1632

3V Lithium battery for the new PC board, PCM 9375.

One pack contains 20pcs

Order Number: G5050701

Compact Flash for SW 4.00 and above

Situated on the PCM-5824/PCM-9375 board and stores the machines software.

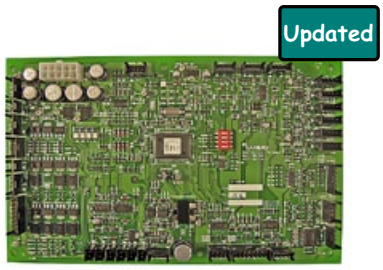
Note! Empty at delivery. Requires a software download by booting and downloading the software from a CD. See chapter software!

Order Number: G5002406

Door Latch

Locks the door to the cabinet.

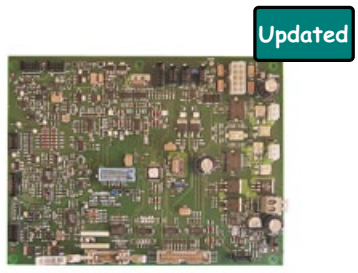
Order Number: G5008401



Protective Board

Protection CPU to monitor all safety systems in the Prismaflex.
Compared to previous version this version is RoHS compliant.

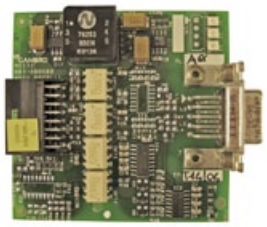
Order Number: G5007202



PIB Board

Peripheral Interface Board (PIB).
Contains the circuitry and connections for the ABD, Venous Clamp, BLD and the Pinch Valves.
Compared to previous version this version is RoHS compliant.

Order Number:G5007002



Isolated RS232 Board

Enables external serial data communication with the machine.

Order Number: G5002601

Memory Card Board

Technical treatment data can be saved on a technical data card.
Technical Data Card Order Number: G5000501.

Order Number: G5004602

Ethernet Board

Enables external Ethernet communication with the machine.

Order Number: G5003102

GAMBRO®

Power Supervision Board Kit

Supervises the incoming power and alarms in case of a power failure.

Order Number: G5048103

Power Supply Battery Backup, 24V

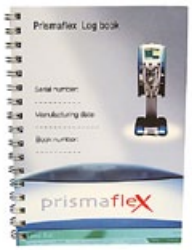
Supplies a range of DC voltages to the machine.
If a power failure might occur the machine continues to run if the machine is equipped with this power supply together with the 24V battery and software 5.00

Order Number: G5008702

Updated

Battery Backup Kit

This kit includes all hardware needed to upgrade a machine to battery backup. Requires at least software 5.xx.
Includes:
Power supply battery backup (G5008702), batteries, cables etc.
Compared to previous version this version is RoHS compliant.
Order Number: G5043402



Log Book

When repairing or servicing the machine, write down every action taken in the Prismaflex log book.

.

Order Number: G5008301

Remote Alarm Board

For use with external alarms.

Order Number: G5008802

DC Timer

Counts the machines running hours.

Order Number: G5000801

Chapter 5 - Base

Antistatic Twin Wheels

Wheels for the machine.

Order Number: G5001501

Brake Foot

Stops the machine from moving.

Order Number: G5001001

Brake Pedal

Maneuvers the brake feet.
This is an improved version with a hole at the bottom as shown in the picture. The reason for the hole is to let out debris which could affect the brake/un-brake mechanism negatively.

Order Number: G5007802

Pneumatic Spring

Keeps the break pedal in its position. This version has an improved sealing compared to the previous spring. A spacer is also included in this version *(Not shown in the picture)* which makes the open closed position more distinct, the spacer is mounted between the base of the machine and the spring.

Order Number: G5009702

Chapter 6 - Cables

LVDS cable for PC-104 Board 9375

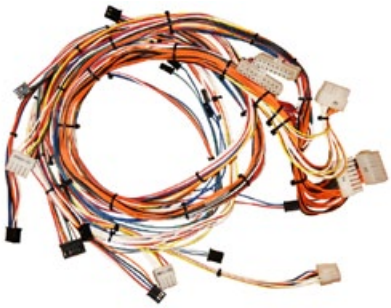
Cable for the video signal.
For use with **new** Display unit and **new** PC104 board. Old display unit is installed on machines prior to PA4532. New PC-board is installed on machines from PA5858.

Order Number: G5047401

LVDS Cable New PC Board Old Display

LVDS cable that fits between the 3,3V display type and the PC board (PCM 9375)

Order Number: G5050901



Power Harness

Cable harness distributing power to the machine from the power supply. For CF and BF machines, one connector will not be used on BF machines. This version has updated text on the connectors, electrically it is the same as the previous version.

Order Number: G5042202

Signal Cable Harness Kit

Harness connecting the components in the door to the components in the machine.

Order Number: G5043601

I²C Cables Kit

Complete set of I²C cables

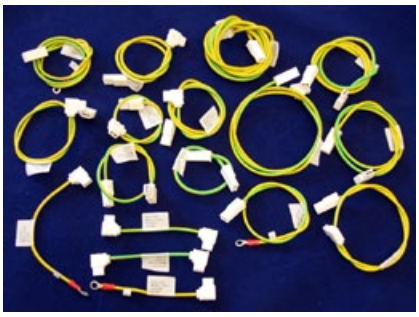
- K35268001 I²C Cable J4 Carrier-J20
- K35269001 I²C Cable J31 Protective-P5 PIB
- K35270001 I²C Cable P6 PIB-J4 ARPS
- K35271001 I²C Cable J5 ARPS-Scale 1
- K35272001 I²C Cable Scale 1-Scale 2
- K35273001 I²C Cable Scale 2-Scale 3
- K35274001 I²C Cable Scale 3-Scale 4
- K35275001 I²C Cable Scale 4-Syringe
- K35276001 I²C Heparin-P3
- K35277001 I²C Cable P3-P4
- K35278001 I²C Cable P4-Loader
- K35279001 I²C Cable Loader-P1
- K35280001 I²C Cable P1-P2
- K35281001 I²C Cable P2-Blood Leak Pump
- K35662001 I²C Cable Carrier - Power Supervision Board

Order Number: G5049801

Cables Kit

- K35243001 J29 ARPS-ARPS Pump
- K35245001 J23 ARPS-Prefilter Valve
- K35246001 J27 ARPS-Filter Valve
- K35247001 J26 ARPS-Effluent Valve
- K35248001 J25 ARPS-Access Valve
- K35249001 J24 ARPS-Return valve
- K35250001 J4 Protective-J15 Carrier
- K35252001 P3 PIB-J37 Protective
- K35256001 J46 Protective-J40
- K35258001 P15 PIB-BLD
- K35265001 J39 Protective-P9 PIB
- K35266001 Connector EKG-Clip
- K35267001 Loader-End of Travel
- K35240001 Flat Cable Pinch Valve

Order Number: G5050201



Protective Earth Cables

Complete set of ground cables

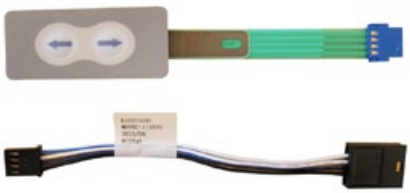
- K35298001 Pump Plate-Bottom Frame
- K35299001 Heparin Pump-Bottom Frame
- K35300001 ARPS Pump-Bottom Frame
- K35301001 LCD-Bottom Frame
- K35302001 Pinch Valve-Bottom Frame
- K35303001 Power Supply-Bottom Frame
- K35304001 Card Rack-Bottom Frame
- K35305001 Blood Pump-Bottom Frame
- K35306001 Venous Clamp-Bottom Frame
- K35307001 Switch Box-Bottom Frame
- K35308001 Barcode Reader-Bottom Frame
- K35309001 Lower Handle-Bottom Frame
- K35310001 Loader-Bar Code Reader
- K35311001 Upper Handle-Fan Support
- K35312001 Connector Panel-Rack
- K35313001 Rack-Rack
- K35314001 LCD-Fan Support

Order Number: G5049901

Potential Equalization Conductor

External cable for connection between machine and common ground.

Order Number: K24670001



Syringe Pump Control Buttons

Controls the up and down movement of the syringe pump carrier. This version inludes the extension cable.

Order Number: G5010202

Pinch Valves Flat Cable Ferrite Kit

Ferrite for the ribbon cable plus ribbon cable and ferrite for the power cables to the Pinch Valves.

Order Number: G5050501

Power Cord, EU, 6A

Mains power cord for Europe.

Order Number: G5010901

Power Cord, EU 10A 7,5m

Mains power cord for EU.

Order Number: G5049401

Power Cord, US

Mains power cord for US.

Order Number: G5011001

Power Cord, UK

Mains power cord for UK.

Order Number: G5043701

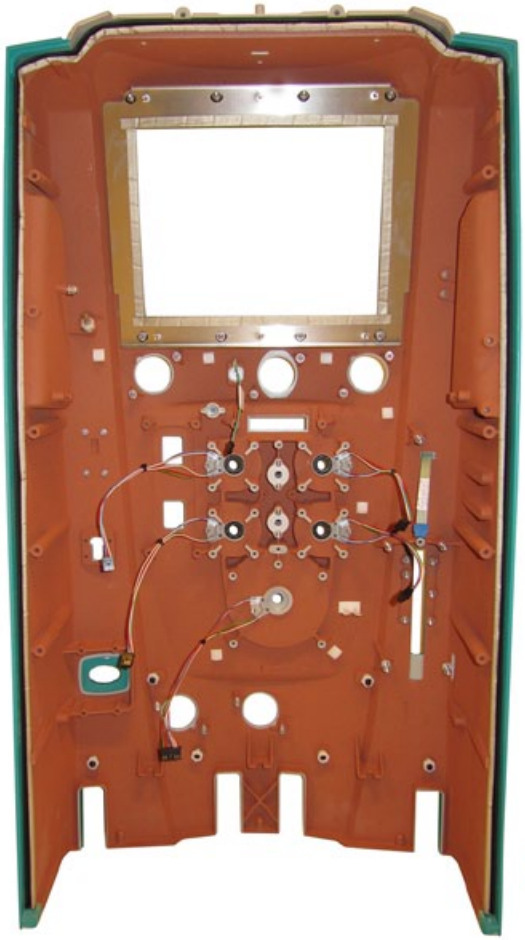
Power Cord, Brazil

Mains power cord for Brazil

Order Number: G5049201

This page has been left blank intentionally

Chapter 7 - Miscellaneous



Load Unload Tool

To load and unload the Prismaflex in and out of e.g. a car.

Order Number: G5000701

Spare Part Kit for Load Unload Tool

No Picture!

Includes; Two adjustable feet's, Locking key for the feet's, Four knobs (M6x30), Two rubber feet's and two snap rings.

Order Number: G5040201

Warmer Holder

Holder for Gambro approved blood warmers.

Order Number: G5002301

HP Holder

HP holder kit to run Hemo Perfusion. The kit includes the support for the holder, G5040601.

Order Number: G5040101

Support for HP Holder

This is the part of the HP holder which is screwed to the side of the machine. It is included in the HP holder kit, G5040101.

Order Number: G5040601

GAMBRO®

Calibration Weight Kit

Used to Calibrate the machines heparin pump and all scales. The calibration weight can be stored inside the base of the machine. A kit allowing the calibration weight to be placed / stand inside the base of the Prismaflex is included.

Order Number: G5000102

Dampers Kit for Calibration Weights

If the case for the calibration weights or dampers kit for the base is lost or damaged here is a replacement kit. Includes the case for the weights and dampers for the base.

Order Number: G5050101

Slave Pump Centering Tool

Use this tool to center the slave pump in relation to the pump raceway.

Order Number: G5000301

Retaining Ring Mounting Tool

Use this tool when mounting the scraper ring (G5004501).

Order Number: G5000401

Hexagonal Wrench, 8mm

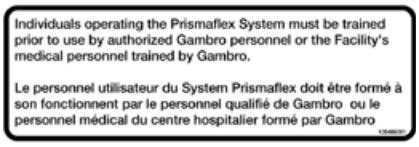
For technical staff to open the Prismaflex door.

Order Number: G5000601

Warning Sticker Kit (USA)

Order Number: G5034701

Label Canada, Training must be Performed


Individuals operating the Prismaflex System must be trained prior to use by authorized Gambro personnel or the Facility's medical personnel trained by Gambro.
Le personnel utilisateur du System Prismaflex doit être formé à son fonctionnent par le personnel qualifié de Gambro ou le personnel médical du centre hospitalier formé par Gambro

Label says;
Individuals operating the Prismaflex System must be trained prior to use by authorized Gambro personnel or the Facility's medical personnel trained by Gambro.

Order Number: G5041501

Sticker Label English

No Picture!

Stickers that can be attached to the front naming the different components on the front of the machine.

Order Number: G5032201

Jumper

Additional jumpers for e.g. the modification message 008

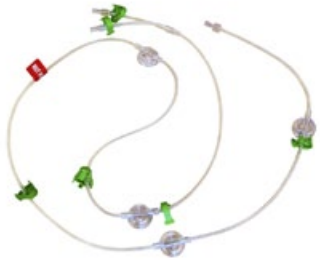
Order Number: 100202167

GAMBRO®

Technical Data Card

Technical data can be downloaded to this card from the machine.
Note! The card must be inserted in the machine before the machine is powered on.

Order Number: G5000501



Calibration Tube

This is a calibration tube with which you can calibrate all pressure sensors at once.

Order Number: G5000201

Not for human use!

Non Sterile Catheter

For use when running a simulated treatment, with this the pressures will automatically be correct.

Order Number: G5007701

Not for human use!

Preventive Maintenance Kit

For yearly maintenance of the machine.

Includes: PC-104 battery, dampers for the blood pump and slave pumps, pump segment for the ARPS pump + filter and sealing cons for the pressure pods.
Component update compared to previous version.
Order Number: G5010005

Syringe Pump Holder Kit

Repair kit for the front panel in case the supports for the syringe pump is broken.

Order Number: G5048201

Scale Mounting Plate

Bottom plate in the Prismaflex which e.g. the scales are mounted onto.
- Requires an extensive work to be exchanged. Both back and front panel needs to be dismounted.

Order Number: G5050001

Front Cabinet

Except for the front it includes the display frame, sealings, hall sensors. slave pump plate and screws.
- Comes as seen in the picture exept for the slave pump plate which is new with this version.

Order Number: G5044202

Back Cabinet

Except for the back it includes the sealings, handles and screws.
- Comes as seen in the picture!

Order Number: G5044301

Complete Base Assembly

Complete assembly including brake mechanism and back cover.

Order Number: G5044501

Back Cover for Base Assembly

Complete assembly including brake mechanism and back cover.

Order Number: G5041401

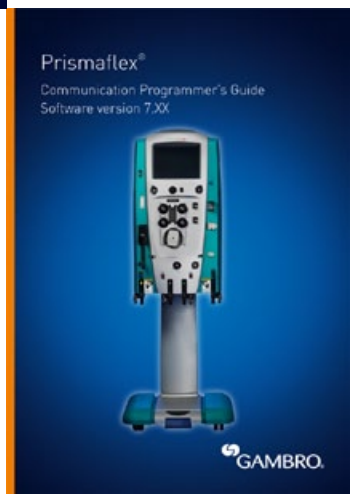
Empty Crate

For long distant transportation of the machine. By Truck or Air plane. The crate is approved for both vertical and horizontal transport.

Order Number: G5010401

This page has been left blank intentionally

Chapter 8 - Manuals



Updated

Operator's Manual SW 7.xx

Operating instructions for the operator. Printed!
Note, You can also download these as PDF's from the Customer Support site!

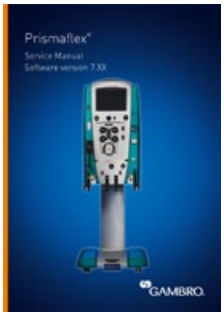
G5036005 Prismaflex Op Man EN 7.xx
G5036205 Prismaflex Op Man DE 7.xx
G5036404 Prismaflex Op Man PT 7xx
G5036605 Prismaflex Op Man SV 7xx
G5036804 Prismaflex Op Man DA 7xx
G5037004 Prismaflex Op Man FI 7xx
G5037204 Prismaflex Op Man PL 7xx
G5037404 Prismaflex Op Man CS 7xx
G5037604 Prismaflex Op Man LT 7xx
G5037804 Prismaflex Op Man RU 7xx
G5038004 Prismaflex Op Man SL 7xx
G5038404 Prismaflex Op Man ZHTW 7xx
G5038604 Prismaflex Op Man RO 7xx
G5036105 Prismaflex Op Man FR 7.xx
G5036304 Prismaflex Op Man IT 7xx
G5036504 Prismaflex Op Man NL 7xx
G5036704 Prismaflex Op Man NO 7xx
G5036904 Prismaflex Op Man ES 7xx
G5037104 Prismaflex Op Man EL 7xx
G5037304 Prismaflex Op Man TR 7xx
G5037504 Prismaflex Op Man ET 7xx
G5037704 Prismaflex Op Man LV 7xx
G5037904 Prismaflex Op Man SK 7xx
G5038204 Prismaflex Op Man KO 7xx
G5038504 Prismaflex Op Man HU 7xx

Updated

Operator's Manual CD ROW SW 7.xx

All language versions on a CD as *.PDF files

Order Number: G5040707



Prismaflex Service Manual ROW 7.xx

The service guide for the technician. Printed!
Note, You can also download the PDF from the Customer Support site!

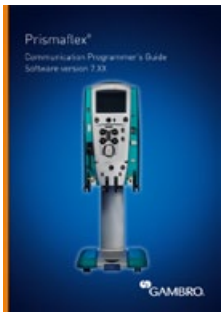
Order Number: G5005209

GAMBRO®

Service Manual CD ROW SW 7.xx

The service guide for the technician on a CD as a *.PDF file.

Order Number: G5008608



Prismaflex Comm. Prog Guide 7.10

About external communication. Handbook for how to receive data from the Prismaflex Ethernet and RS-232 port in order to transmit data to a Patient data management systems (PDMS).

Adapting the PDMS system according to software 7.10 makes the system compatible with all softwares back to sofware version 3.20.

Note! This handbook can only be ordered after an agreement is signed and a copy has been e-mailed to customer support.
ric.customer.support@gambro.com

See service newsletter General Information 006 for more details!

Order Number: G5015008

New

Operator's Manual US SW 7.xx

Operating instructions for the operator. Printed!
Note, You can also download these as PDF's from the Customer Support site!

Order Number: G5039910

New

Prismaflex Service Manual US 7.xx

The service guide for the technician. Printed!
Note, You can also download the PDF from the Customer Support site!

Order Number: G5035006

GAMBRO®

Operator's Manual SW 6.xx

Operating instructions for the operator. Printed!
Note, You can also download these as PDF's from the Customer Support site!

G5036003 Prismaflex op man 6xx
G5036203 Prismaflex op man DE 6xx
G5036403 Prismaflex op man PT 6xx
G5036603 Prismaflex op man SV 6xx
G5036803 Prismaflex op man DA 6xx
G5037003 Prismaflex op man FI 6xx
G5037203 Prismaflex op man PL 6xx
G5037403 Prismaflex op man CS 6xx
G5037603 Prismaflex op man LT 6xx
G5037803 Prismaflex op man RU 6xx
G5038003 Prismaflex op man SL 6xx
G5038203 Prismaflex op man KO 6xx
G5038503 Prismaflex op man HU 6xx
G5036103 Prismaflex op man FR 6xx
G5036303 Prismaflex op man IT 6xx
G5036503 Prismaflex op man NL 6xx
G5036703 Prismaflex op man NO 6xx
G5036903 Prismaflex op man ES 6xx
G5037103 Prismaflex op man EL 6xx
G5037303 Prismaflex op man TR 6xx
G5037503 Prismaflex op man ET 6xx
G5037703 Prismaflex op man LV 6xx
G5037903 Prismaflex op man SK 6xx
G5038103 Prismaflex op man ZHCN 6xx
G5038403 Prismaflex op man ZHTW 6xx
G5038603 Prismaflex op man RO 6xx

Operator's Manual CD ROW SW 6.xx

All language versions on a CD as *.PDF files

Order Number: G5040704

Prismaflex Service Manual ROW 6.xx

The service guide for the technician. Printed!
Note, You can also download the PDF from the Customer Support site!

Order Number: G5005206

GAMBRO®

Service Manual CD ROW SW 6.xx

The service guide for the technician on a CD as a *.PDF file.

Order Number: G5008607

Prismaflex Comm. Prog Guide 6.xx

About external communication. Handbook for how to receive data from the Prismaflex Ethernet and RS-232 port in order to transmit data to a Patient data management systems (PDMS).

Adapting the PDMS system according to software 6.10 makes the system compatible with all softwares back to sofware version 3.20.

Note! This handbook can only be ordered after an agreement is signed and a copy has been e-mailed to customer support.
ric.customer.support@gambro.com

See service newsletter General Information 006 for more details!

Order Number: G5015006

Operator's Manual US SW 5.10

Operating instructions for the operator. Printed!
Note, You can also download these as PDF's from the Customer Support site!

Order Number: G5039903

Operator's Manual CD US SW 5.10

All language versions on a CD as *.PDF files

Order Number: G5040802

Prismaflex Service Manual US 5.10

The service guide for the technician. Printed!
Note, You can also download the PDF from the Customer Support site!

Order Number: G5035004

Service Manual CD US 5.10

The service guide for the technician on a CD as a *.PDF file.

Order Number: G5035903

GAMBRO®

Operator's Manual SW 4.xx

Operating instructions for the operator. Printed!
Note, You can also download these as PDF's from the Customer Support site!

G5036001 Operator Manual Eng 4.xx
G5036201 Operator Manual Ger 4.xx
G5036401 Operator Manual Por 4.xx
G5036601 Operator Manual Swe 4.xx
G5036801 Operator Manual Dan 4.xx
G5037001 Operator Manual Fin 4.xx
G5037201 Operator Manual Pol 4.xx
G5037501 Operator Manual Est 4.xx
G5037701 Operator Manual Lav 4.xx
G5038201 Operator Manual Kor 4.xx
G5036101 Operator Manual Fre 4.xx
G5036301 Operator Manual Ita 4.xx
G5036501 Operator Manual Dut 4.xx
G5036701 Operator Manual Nor 4.xx
G5036901 Operator Manual Spa 4.xx
G5037101 Operator Manual Gre 4.xx
G5037301 Operator Manual Tur 4.xx
G5037601 Operator Manual Lit 4.xx
G5037801 Operator Manual Rus 4.xx
G5039906 Operator Manual China 4.xx

Operator's Manual CD SW 4.xx

All language versions on a CD as *.PDF files.

G5040702 Operators Manual 4.00 on CD All therapies

Prismaflex Service Manual 4.xx

The service guide for the technician. Printed!
Note, You can also download the PDF from the Customer Support site!

G5005204 Service Manual SW 4.00 ROW

Service Manual CD SW 4.xx

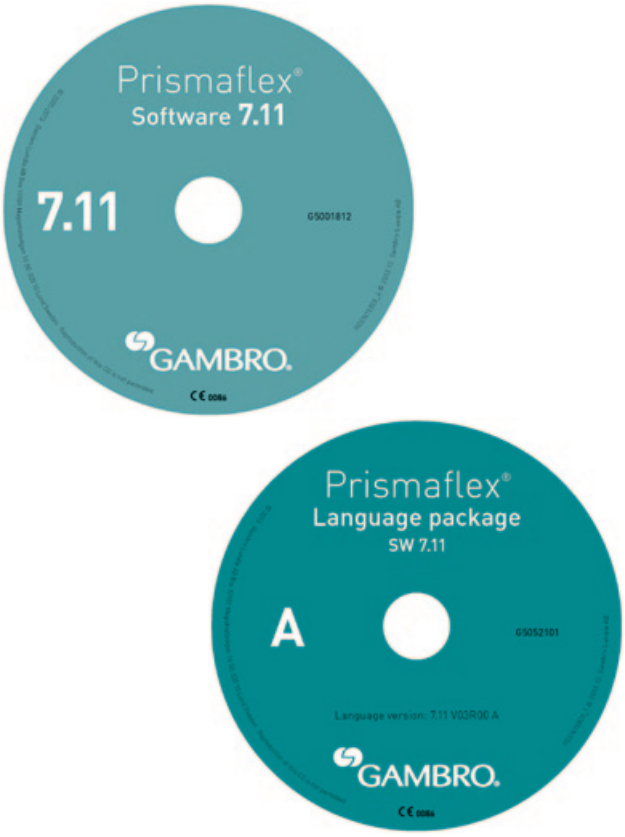
The service guide for the technician on a CD as a *.PDF file.

G5008605 Service Manual 4.00 on CD CRRT+TPE+HP

GAMBRO®

This page has been left blank intentionally

Chapter 9 - Software



Software and Language package can be download from the System Support site.

New

Software CD with 7.11

Software for the Prismaflex machine. Can be used to update the machine to 7.11 software from any earlier software revision. Please note that only English language is included!
See Language Package CD for alternative languages - G5052101.
Note! Software 7.11 requires at least 256MB RAM and Compact Flash memory. It also requires the new Syringe Pump (G5043901 or G5043902). G5043901 was introduced in production from PA6561 on machines delivered with Software 4.xx, 5.xx, 6.xx and 7.xx
Order Number: G5001812

New

Language package A, SW 7.11

Contains the following released languages - Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Slovak, Slovene, Swedish, Spanish, Traditional Chinese and Turkish.
After installation of the language package, the CD is no longer required to change between the installed languages.

Order Number: G5052101

Software CD with 7.10

Software for the Prismaflex machine. Can be used to update the machine to 7.10 software from any earlier software revision. Please note that only English language is included!
See Language Package CD for alternative languages - G5051004.
Note! Software 7.10 requires at least 256MB RAM and Compact Flash memory. It also requires the new Syringe Pump (G5043901 or G5043902). G5043901 was introduced in production from PA6561 on machines delivered with Software 4.xx, 5.xx, 6.xx and 7.xx
Order Number: G5001811

GAMBRO®

New

Language package C, SW 7.10

Contains the following released languages - Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Slovak, Slovene, Swedish, Spanish, Traditional Chinese and Turkish.
After installation of the language package, the CD is no longer required to change between the installed languages.

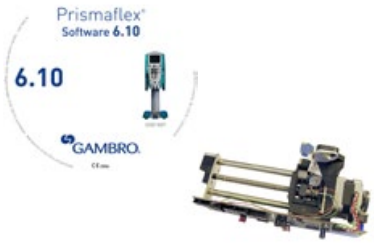
Order Number: G5051004

Software CD with 6.10

Software for the Prismaflex machine. Can be used to update the machine to 6.10 software from any earlier software revision.

Note! Software 6.10 requires at least 256MB RAM and Compact Flash memory. It also requires the new Syringe Pump (G5043901 or G5043902). G5043901 was introduced in production from PA6561 on machines delivered with Software 4.xx, 5.xx, 6.xx and 7.xx

Order Number: G5001809



Software 6.10 upgrade kit

Software and hardware (Syringe pump and Calcium Clip plus RAM memory and CF card for old PC-board PCM5824) to run 6.10. Can be used to update the machine to 6.10 software from any earlier software revision.
Syringe pump G5043901 was introduced in production from PA6561 on machines delivered with Software 4.xx, 5.xx, 6.xx and 7.xx. In this version the syringe pump has been updated to G5043902 (Updated load cell).
Order Number: G5050402

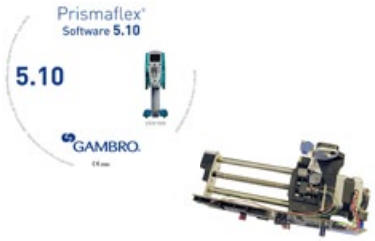
Software CD with SW 5.10 (Only for US)

Software for the Prismaflex machine. Can be used to update the machine to 5.10 software from any earlier software revision.

Note! Software 5.10 requires at least 256MB RAM and Compact Flash memory. It also requires the new Syringe Pump (G5043901 or G5043902). G5043901 is introduced in production from PA6561 on machines delivered with Software 4.xx, 5.xx, 6.xx and 7.xx.

Order Number: G5001808

GAMBRO®



Software 5.10 US upgrade kit (Only for US)

Software and hardware (PC board - PCM 9375, Syringe pump, Calcium Clip, RAM memory, CF card) to run 5.10. Can be used to update the machine to 5.10 software from any earlier software revision.

The new syringe pump G5043901 is introduced in production from PA6561 on machines delivered with Software 4.xx, 5.xx, 6.xx and 7.xx.

Order Number: G5040404

New

Software CD with SW 4.11

Software for the Prismaflex machine. Can be used to update the machine to 4.10 software from any earlier software revision.

Order Number: G5048002

Index

Symbols

G5000102 37
G5000201 39
G5000301 37
G5000401 37
G5000501 39
G5000601 38
G5000701 36
G5000801 26
G5000901 13
G5001001 28
G5001201 15
G5001301 20
G5001401 3
G5001501 28
G5001601 5
G5001805 53
G5001809 53
G5001811 52
G5001812 52
G5002201 14
G5002301 36
G5002406 23
G5002501 19
G5002601 24
G5002802 5
G5002901 8
G5003102 24
G5003202 20
G5003303 8
G5003601 19
G5003702 14
G5003901 10
G5004101 20
G5004201 15
G5004301 20
G5004401 19
G5004501 14
G5004602 24
G5004703 19
G5005001 15
G5005102 2
G5005204 49
G5005206 46
G5005209 44
G5005301 8
G5005402 5
G5005602 14
G5005703 4
G5005902 13
G5006001 8
G5006101 4
G5006203 17
G5006401 17
G5006501 18
G5006702 5
G5006802 19
G5006902 18
G5007002 24
G5007101 22
G5007202 24
G5007401 4
G5007501 4
G5007603 3
G5007701 39
G5007802 28
G5008001 14
G5008203 15
G5008301 25
G5008401 23
G5008605 49
G5008607 47
G5008608 45
G5008702 25
G5008802 26
G5009001 17
G5009501 10
G5009601 10
G5009702 28
G5010004 39
G5010202 32
G5010401 41
G5010801 17
G5010901 33
G5011001 33
G5015006 47
G5015008 45
G5022801 10
G5029101 6
G5029202 6
G5029301 6
G5029402 6
G5029501 6
G5029602 7
G5032201 38

G5034701 38
G5034902 15
G5035004 48
G5035804 16
G5035903 48
G5036001 49
G5036003 46
G5036005 44
G5036101 49
G5036103 46
G5036105 44
G5036201 49
G5036203 46
G5036205 44
G5036301 49
G5036303 46
G5036304 44
G5036401 49
G5036403 46
G5036404 44
G5036501 49
G5036503 46
G5036504 44
G5036601 49
G5036603 46
G5036605 44
G5036701 49
G5036703 46
G5036704 44
G5036801 49
G5036803 46
G5036804 44
G5036901 49
G5036903 46
G5036904 44
G5037001 49
G5037003 46
G5037004 44
G5037101 49
G5037103 46
G5037104 44
G5037201 49
G5037203 46
G5037204 44
G5037301 49
G5037303 46
G5037304 44
G5037403 46
G5037404 44
G5037501 49
G5037503 46
G5037504 44
G5037601 49
G5037603 46
G5037604 44
G5037701 49
G5037703 46
G5037704 44
G5037801 49
G5037803 46
G5037804 44
G5037903 46
G5037904 44
G5038003 46
G5038004 44
G5038103 46
G5038201 49
G5038203 46
G5038204 44
G5038403 46
G5038404 44
G5038503 46
G5038504 44
G5038603 46
G5038604 44
G5039903 48
G5039906 49
G5039910 45
G5040101 36
G5040201 36
G5040404 54
G5040601 36
G5040702 49
G5040704 46
G5040705 44
G5040802 48
G5040902 13
G5041305 18
G5041401 41
G5041501 38
G5042101 3
G5042202 30
G5042302 16
G5043101 16
G5043402 25
G5043501 17
G5043601 31
G5043701 33
G5043902 16
G5044001 22
G5044101 22
G5044202 40
G5044301 40
G5044501 41
G5044602 5
G5044701 13
G5047401 30
G5047503 4

G5048001 54
G5048103 25
G5048201 39
G5048302 2
G5048402 2
G5048502 2
G5048602 2
G5048801 3
G5049201 33
G5049401 33
G5049601 7
G5049701 10
G5049801 31
G5049901 32
G5050001 40
G5050101 37
G5050201 31
G5050402 53
G5050501 32
G5050601 13
G5050701 23
G5051004 53
G5051101 12
G5051201 12
G5051301 12
G5051401 12
G5051501 12
G5052101 52
K24670001 32
100202167 38

A

Access Pod Assy. 12
Air Bubble Detector "ABD" 5
Air Bubble Detector Door 5
Antistatic Twin Wheels 28
ARPS Pump Assy 17
ARPS Tube Assembly 13

B

Back Cabinet 40
Back Cover for Base Assembly 41
Backup Battery, 24V 17
Barcode Protection 13
Barcode Reader 13
Battery, 12V 17
Battery Backup Kit 25
Blood Leak Detector "BLD" 8
Blood Pump Assy. 15
Blood Pump Rotor 4
Brake Foot 28
Brake Pedal 28

C

Cables Kit 31
Calibration Tube 39
Calibration Weight Kit 37
Carrier Board 22
CD-ROM Player 13
CF Upgrade Kit 15
Clamp Dampers Kit 20
Compact Flash for SW 4.00 and above 23
Complete Base Assembly 41
Cord Holder 10
CPU Battery Kit 3V BR1632 23

D

Dampers Kit for Calibration Weights 37
DC Timer 26
De-aeration Chamber holder 4
Dialysate Scale 2
Discharger Board - CF Class 15
Discharger Clip 8
Display 18
Door Latch 23

E

Effluent Pod Assy. 12
Effluent Scale 2
Empty Crate 41
Ethernet Board 24

F

Filter, 130 Micron 17
Filter Pod Assy. 12
Front Cabinet 40

H

Hall Sensor Container, Blood Pump 15
Hall Sensor Container, Slave pumps 19
Hand Grip 20
Heparin Fixing Block 16
Heparin Pump Carrier 10-50ml 6
Hexagonal Wrench, 8mm 38
HP Holder 36

I

I2C Cables Kit 31
Isolated RS232 Board 24

J

Jumper 38

K

Knurled Knob 20

L

Label Canada, Training must be Performed 38
Language package A, SW 7.10 53
Language package A, SW 7.11 52
Led Board 5
Led Cover 5
Left Hook 4
Loader 14
Loader Board 14
Loader Stepper Motor 14
Load Unload Tool 36
Log Book 25
LVDS cable for PC-104 Board 9375 30
LVDS cable for TX board 30
LVDS Cable New PC Board Old Display 30

M

Mains Cable Support 10
Memory Card Board 24
Micro Switch 14
Motor Stepper 17

N

Non Sterile Catheter 39

O

Operator's Manual CD ROW SW 6.xx 46
Operator's Manual CD ROW SW 7.xx 44
Operator's Manual CD SW 4.xx 49
Operators Manual CD US SW 5.10 48
Operator's Manual SW 4.xx 49
Operator's Manual SW 6.xx 46
Operator's Manual SW 7.xx 4445
Operator's Manual US SW 5.10 48
Operator's Manual US SW 7.xx 45
O-ring 2-008 Nitrile 8
O-ring 2-011 3
O-ring 2-029 5
O-ring, Pump Shaft 19

P

PC104 Board PCM 9375 22
PIB Board 24
Pinch Valve 20
Pinch Valves Flat Cable Ferrite Kit 32
Pneumatic Spring 28
Pod No 5 Assy. 12
Potential Equalization Conductor 32
Potential Equlization Conductor kit 10
Power Cord, Brazil 33
Power Cord, EU, 6A 33
Power Cord, EU 10A 7,5m 33
Power Cord, UK 33
Power Cord, US 33
Power Harness 30
Power Supervision Board Kit 25
Power Supply Battery Backup, 24V 25
Pre Blood Pump Scale 2
Pressure Transducer ARPS 18
Preventive Maintenance Kit 39
Prismaflex Comm. Prog Guide 6.xx 47
Prismaflex Comm. Prog Guide 7.10 45
Prismaflex Service Manual 4.xx 49
Prismaflex Service Manual ROW 6.xx 46
Prismaflex Service Manual ROW 7.xx 4445
Prismaflex Service Manual US 5.10 48
Prismaflex Service Manual US 7.xx 45
Protective Board 24
Protective Earth Cables 32
Pump Crank 10

R

Remote Alarm Board 26
Replacement Scale 2
Retaining Ring Mounting Tool 37
Retaining Ring WA 12X22X4 19
Return Clamp Assy. 19

Return Pressure Port 13
Return Pressure Port Assy. 12
Right Hook 4

S

Scale Carrying Bar 2
Scale Mounting Plate 40
Scale Warning Labels 3
Scraper Ring 14
Seals Pressure Pod 8
Service Manual CD ROW SW 6.xx 48
Service Manual CD ROW SW 7.xx 45
Service Manual CD SW 4.xx 49
Service Manual CD US 5.10 48
Signal Cable Harness Kit 31
Slave Pump Centering Tool 37
Slave Pump Rotors 4
Slave Pump Stepper Motor 19
SODIMM Ram Memory 512MB 22
Software 5.10 US upgrade kit 54
Software 6.10 upgrade kit 53
Software CD with 4.10 54
Software CD with 5.10 53
Software CD with 6.10 53
Software CD with 7.10 52
Software CD with 7.11 52
Spare Part Kit for Load Unload Tool 36
Speaker and Fan Assembly 16
Sticker Label English 38
Support for HP Holder 36
Symbols 12
Syringe Clip 10ml 6
Syringe Clip 20ml 6
Syringe Clip 30ml 6
Syringe Clip 50ml 7
Syringe Clip 50ml - B.B. Perfusor 7
Syringe Clip Holder 10-50ml 6
Syringe Pump 16
Syringe Pump Control Buttons 32
Syringe Pump Holder Kit 39

T

Technical Data Card 39
Touch Screen Controller 15
Tube Clip Kit 3

W

Warmer Holder 36
Warning Sticker Kit (USA) 38

This page has been left blank intentionally

Gambro Lundia AB
PO Box 10101
Magistratsvägen 16
SE-220 10 Lund
Sweden
Phone +46 46 16 90 00
Fax +46 46 16 96 96
www.gambro.com

GAMBRO®

SIGNATURE PAGE

This document has been electronically signed by:

Date (UTC)	UserId	UserName
2014-07-17 10:17:29	septjh	Johansson Peter
Justification	CN Version - Approved	
Justification		
Justification		
Justification		
Justification		
Justification		